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TITLE: ELECTRIC DOUBLE LAYER
CAPACITOR
PUBN-DATE: August 21, 1992

INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To improve yield by bonding at least one out of a pair of polarizable electrodes to a separator by using polyisobutylene.

CONSTITUTION: Polarizable electrodes 17, 18

formed by press-molding wherein active carbon is ground and binder is added are bonded to both surfaces of a separator 19 which is electrically insulative and ion-permeable by using adhesive agent 20. Polyisobutylene as the adhesive agent 20 used at this time is polymer of aliphatic hydrocarbon of high saturation degree, and long straight- chain molecule having unsaturation at the terminal end, so that main chain decomposition is hard to be caused, and chemically and electrochemically stable. After an electrostatic capacity generation element 21 obtained in the above manner is impregnated with electrolyte, said element is accommodated in metal case members 22, 23 serving as collector electrodes. By interposing a gasket 24 between the metal case members 22, 23, said members are electrically insulated, and constitute a sealed case.

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